

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 93 | US-5678070-\$.D.ID. OR US-20050286141-\$.D.ID. OR US-5950021-\$.D.ID. OR US-4864337-\$.D.ID. OR US-5345283-\$.D.ID. OR US-5510868-\$.D.ID. OR US-5900992-\$.D.ID. OR US-6160583-\$.D.ID. OR US-4422740-\$.D.ID. OR US-4477167-\$.D.ID. OR US-4483603-\$.D.ID. OR US-4542972-\$.D.ID. OR US-4764784-\$.D.ID. OR US-4857947-\$.D.ID. OR US-4952965-\$.D.ID. OR US-5239415-\$.D.ID. OR US-5250976-\$.D.ID. OR US-5293193-\$.D.ID. OR US-5307103-\$.D.ID. OR US-5412443-\$.D.ID. OR US-5418650-\$.D.ID. OR US-5432575-\$.D.ID. OR US-5438387-\$.D.ID. OR US-5444510-\$.D.ID. OR US- | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2008/07/18 11:22 |

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|----|-----|---|---|-----|----|---------------------|
| | | 5539490-\$.DID. OR US 5546233-\$.DID. OR US 5574526-\$.DID. OR US 5634142-\$.DID. OR US 5664240-\$.DID. OR US 5675441-\$.DID. OR US 5678100-\$.DID. OR US 5749003-\$.DID. OR US 5768636-\$.DID. OR US 5774748-\$.DID. OR US 5844726-\$.DID. OR US 5956533-\$.DID. OR US 5980121-\$.DID. OR US 5983033-\$.DID. OR US 5999750-\$.DID. OR US 6047132-\$.DID. OR US 6064826-\$.DID. OR US 6086266-\$.DID. OR US 6122116-\$.DID. OR US 6330398-\$.DID. OR US 6339682-\$.DID. OR US 6879445-\$.DID. OR US 7061689-\$.DID. OR US 7233449-\$.DID. OR US 20050052560-\$.DID. | | | | |
| S2 | 720 | 396/55 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:29 |

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| S3 | 4 | S2 and manufactur\$4 near10 lens adj barrel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:29 |
| S4 | 0 | S2 and mthod adj manufactur\$4 adj lens adj barrel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:30 |
| S5 | 0 | S2 and mthod adj manufactur\$4 adj lens adj drive adj (device or unit or system) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:30 |
| S6 | 0 | S2 and method adj manufactur\$4 adj lens adj drive adj (device or unit or system) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:31 |
| S7 | 7 | method adj manufactur\$4 adj lens adj drive adj (device or unit or system) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:31 |

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| S8 | 255 | 396/55 and lens adj driv\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:38 |
| S9 | 20234 | lens adj driv\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:38 |
| S10 | 2441 | lens adj barrel near (mov \$4 or motion) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:39 |
| S11 | 9578 | regulat\$4 adj part | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:39 |
| S12 | 10905 | protrus\$4 adj (part or member) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:40 |

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| S13 | 19317 | magnetic adj (means or member or part or section) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:40 |
| S14 | 0 | case boady | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:41 |
| S15 | 24269 | case body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:41 |
| S16 | 6087 | S15 and (cylindrical or circular) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:41 |
| S17 | 13669 | female screw and male screw | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:42 |

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| S18 | 537 | S9 and S10 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:42 |
| S19 | 1 | S11 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:43 |
| S20 | 1 | S12 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:43 |
| S21 | 6 | S13 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:43 |
| S22 | 4 | S15 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:45 |

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| S23 | 43 | S16 and S17 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:47 |
| S24 | 0 | case adj body near10 (two or S2) adj (parts or portions or frames or body) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:50 |
| S25 | 47 | lens adj barrel near10 (two or S2) adj (parts or portions or frames or body) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 11:54 |
| S26 | 2 | jp-2004304566-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 12:13 |
| S27 | 2 | jp-2002374436-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 12:13 |

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| S28 | 223 | magnet and coil and lens holder and lens and lens barrel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/18 12:56 |
| S29 | 5 | ("4596449" "4605286" "6800970" "7206145" "7221526").PN. OR ("7359631").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/18 13:00 |
| S30 | 0 | JP-2002374436-\$.frpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:01 |
| S31 | 0 | JP-200237443.frpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:02 |
| S32 | 0 | "200237443".frpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:02 |
| S33 | 0 | "2002374436".frpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:02 |

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| S34 | 0 | "2002374436".frpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:02 |
| S35 | 0 | "2002-374436".frpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:02 |
| S36 | 2 | JP-2002374436-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:03 |
| S37 | 105277 | "359"/\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:04 |
| S38 | 55 | amakas-mikio.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:07 |

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| S39 | 98831 | "348"/\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:16 |
| S40 | 0 | S37 near S39 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:16 |
| S41 | 9396 | S37 and S39 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:17 |
| S42 | 5065 | lens driv\$4 (device or apparatus or system) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:17 |
| S43 | 21388 | "396"/\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:18 |

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| S44 | 879 | (S37 or S39 or S43) and S42 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:18 |
| S45 | 3172 | (mov\$4 lens or lens adj barrel) and lens adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:19 |
| S46 | 108 | S44 and S45 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:19 |
| S47 | 1469 | (lens holder or lens adj barrel adj holder) near4 magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:21 |
| S48 | 2519 | (lens holder or lens adj barrel adj holder) with magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:21 |

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| S49 | 1003 | (lens holder or lens adj barrel adj holder) adj4 magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:21 |
| S50 | 1303 | (stationary or fix\$4 or holder) adj body with magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:23 |
| S51 | 960 | (stationary or fix\$4 or holder or second) adj body near4 magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:23 |
| S52 | 1771 | (stationary or fix\$4 or holder or second) adj body with magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:24 |
| S53 | 560 | (stationary or fix\$4 or holder or second) adj body adj4 magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:24 |

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| S54 | 42 | S46 and S49 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:25 |
| S55 | 0 | S54 and S53 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:25 |
| S56 | 2 | S46 and S51 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:26 |
| S57 | 3 | ("20040012695" "6348948" "6559888"). PN. OR ("6853808").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/21 12:32 |
| S58 | 22 | S47 and S50 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:39 |
| S59 | 21 | S47 and S51 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:39 |

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| S60 | 1155 | magnet\$4 adj3 (disposed or attached or fix\$4) near5 (stationary or fix\$4 or holder or second) adj (holder or body or frame or case) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:45 |
| S61 | 367 | magnet\$4 adj3 (dispos\$4 or attach\$4 or fix\$4) near5 (lens holder or lens adj barrel adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:46 |
| S62 | 12 | S60 and S61 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:47 |
| S63 | 114 | lens barrel and lens barrel holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:52 |
| S64 | 0 | magnet (comprise or attach \$4 or fix\$4) with lens barrel holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:53 |

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| S65 | 6 | magnet adj4 (comprise or attach\$4 or fix\$4) and S63 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:53 |
| S66 | 3 | S44 and S63 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 12:56 |
| S67 | 254 | lens drive device | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 12:57 |
| S68 | 87 | lens drive apparatus | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 12:57 |
| S69 | 222 | lens drive system | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 12:58 |
| S70 | 12029 | (lens adj barrel or lens-barrel) | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 12:58 |
| S71 | 89 | S69 and S70 | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 12:58 |
| S72 | 8341 | (lens holder or len-barrel holder) | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 12:58 |
| S73 | 89 | S69 and S71 | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 12:59 |
| S74 | 1090 | S70 and S72 | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 12:59 |

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| S75 | 7 | S67 and S74 | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 12:59 |
| S76 | 979 | magnet with S72 | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 13:03 |
| S77 | 14 | magnet adj (attach\$4 or disposed) S72 | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 13:04 |
| S78 | 329 | magnet adj (attach\$4 or disposed) and S72 | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 13:04 |
| S79 | 138 | (S37 or S39 or S43) and magnet adj (attach\$4 or disposed) and S72 | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 13:05 |
| S80 | 107 | case body with magnet | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 13:13 |
| S81 | 1119 | 359/824 | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 13:15 |
| S82 | 9 | "5572372" | US-PGPUB; USPAT | ADJ | ON | 2008/07/21 13:23 |
| S83 | 10 | "5572372" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 13:23 |
| S84 | 1119 | 359/824 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 13:24 |

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| S85 | 619 | (359/824).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/07/21 13:24 |
| S86 | 359 | (359/696).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/07/21 13:29 |
| S87 | 0 | ("55and57").PN. | US-PGPUB; USPAT | OR | OFF | 2008/07/21 13:30 |
| S88 | 51 | S85 and S86 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 13:30 |
| S89 | 2 | (spacer or member) with sandwich\$4 adj4 between (first adj portion and second adj portion) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 17:54 |
| S90 | 101 | (spacer or member) with between adj4 (first adj case and second adj case) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 17:54 |
| S91 | 57 | (spacer or member) with between adj4 (first adj holder and second adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 17:55 |

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| S92 | 38 | (spacer or member) with between adj4 (first adj holder with second adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 17:57 |
| S93 | 0 | (spacer or member or plate) with interposed adj4 (fixed member with lens adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:00 |
| S94 | 4434347 | (spacer or plate or stopper) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:01 |
| S95 | 49 | assembl\$4 lens driv\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:01 |
| S96 | 30 | method near3 manufactur \$4 adj lens adj driv\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:02 |

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| S97 | 36 | S94 and S95 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:02 |
| S98 | 9 | S94 and S96 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:02 |
| S99 | 1 | S96 and (S90 or two portions) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:08 |
| S100 | 27 | S96 and (S90 or two frames or holder or portion or case) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:09 |
| S101 | 525 | spacer and (camera or lens) module | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:14 |

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| S102 | 464 | S101 and (assembl\$4 or manufactur\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:15 |
| S103 | 7 | S102 and pull adj out | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:15 |
| S104 | 3189 | (remove or pull adj out) adj3 spacer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:20 |
| S105 | 9529 | camera module or lens module | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:20 |
| S106 | 1 | S104 and S105 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:20 |

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| S107 | 36993 | camera module or lens module or lens barrel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:22 |
| S108 | 4 | S104 and S107 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:23 |
| S109 | 2 | "20040207745" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 18:25 |
| S110 | 2 | "20040207745" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/21 19:11 |
| S111 | 97 | spacer with (camera or lens) module | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/22 09:32 |

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| S112 | 2 | "20060204240" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/22 14:53 |
| S113 | 79 | unislid or XY slid | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/07/22 15:17 |
| S114 | 379 | 396/133 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 10:33 |
| S115 | 6 | "7031603" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 11:28 |

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| S116 | 99 | ("20010017738" "20010019458" "20010024573" "20010033431" "20020135896" "20020135900" "20020135901" "20020181953" "20030007796" "20030081325" "20030081327" "20030081948" "20030156832" "20040042089" "20040042090" "20040042091" "20040042092" "20040042093" "20040042095" "20040042096" "20040042775" "20040042776" "20040042777" "20040042778" "20040051967" "20040051968" "20040051969" "20040051970" "20040051971" "20040051972" "20040051981" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 11:30 |
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| "20040062536" | |
| "20040062537" | |
| "20040141735" | |
| "3377427" | "4451129" |
| "4525050" | "4545661" |
| "4597657" | "4643554" |
| "4643555" | "4721972" |
| "4768048" | "4771303" |
| "4791441" | "4792822" |
| "4841323" | "4887107" |
| "4937609" | "4952955" |
| "4974949" | "4993815" |
| "5086312" | "5099263" |
| "5136324" | "5210644" |
| "5223873" | "5264939" |
| "5376983" | "5430516" |
| "5485315" | "5499143" |
| "5548446" | "5587754" |
| "5636062" | "5715482" |
| "5731913" | "5739962" |
| "5765049" | "5790907" |
| "5790911" | "5818647" |
| "5832326" | "5870232" |
| "5909600" | "5912772" |
| "5926322" | "6031998" |
| "6052535" | "6055116" |
| "6064533" | "6069745" |
| "6075655" | "6115190" |
| "6185375" | "6204977" |
| "6324019" | "6366323" |
| "6490099" | "6570718" |

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| | | "6611663" "6665129" "6711349" "6757489"). PN. OR ("7031603").URPN. | | | | |
| S117 | 3 | "6164844" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 11:34 |
| S118 | 2 | "7239461" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 11:41 |
| S119 | 3 | ("5523891" "5905255" "6331741").PN. OR ("7239461").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 11:43 |
| S120 | 7 | "5751688" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 11:46 |
| S121 | 90 | "5225941" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 11:49 |

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| S122 | 2 | "7286448" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 11:51 |
| S123 | 6 | "4747669" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 11:56 |
| S124 | 1753 | 359/811 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 12:01 |
| S125 | 2874 | 359/819 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 12:01 |
| S126 | 1902 | 359/823 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 12:01 |

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| S128 | 526 | 359/827 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 12:01 |
| S129 | 0 | h04n5/225 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:16 |
| S130 | 62179 | h04n5/225 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:17 |
| S131 | 29021 | fixed adj body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:17 |
| S132 | 45 | S130 and S131 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:17 |

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| S133 | 121 | lens adj barrel adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:17 |
| S134 | 10863 | lens adj frame | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:17 |
| S135 | 287 | S130 and S134 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:17 |
| S136 | 61212 | mov\$5 adj body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:18 |
| S137 | 130 | S130 and S136 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:18 |

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| S138 | 3 | S133 and S136 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:22 |
| S139 | 2 | 359/811 and lens adj barrel and lens adj barrel adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:56 |
| S140 | 2 | 359/811 and (lens adj barrel) and (lens adj barrel adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:56 |
| S141 | 121 | (lens adj barrel) and (lens adj barrel adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:56 |
| S142 | 121 | (lens adj barrel) same (lens adj barrel adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:56 |

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| S143 | 0 | driv\$4 adj means and S142 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:57 |
| S144 | 137 | mov\$5 adj lens adj body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:57 |
| S145 | 916 | mov\$5 adj lens adj frame | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:57 |
| S146 | 13 | S130 and S142 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:58 |
| S147 | 41 | S130 and S145 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:58 |

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| S148 | 1 | S130 and S144 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 14:58 |
| S149 | 216 | (lens adj barrel) with male adj screw | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:00 |
| S150 | 3 | (lens adj barrel adj holder) with female adj screw | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:01 |
| S151 | 5 | (lens adj barrel adj holder) same female adj screw | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:01 |
| S152 | 13 | ("20020012176" "20050068456" "20050264670" "3912379" "4620775" "5251063" "6476982" "6728047" "6813099" "6970306" "6977779"). PN. OR ("7196855").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 15:10 |

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| S153 | 0 | 359/819 and movable adj lens adj body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:35 |
| S154 | 0 | 359/819 and drive adj means | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:36 |
| S155 | 105231 | "348"/\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:36 |
| S156 | 1219 | 359/824 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:38 |
| S157 | 8 | lens adj barrel adj holder same (magnet or driv\$4 adj means) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:39 |

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| S158 | 6 | lens adj barrel adj holder with (magnet or driv\$4 adj means) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:39 |
| S159 | 1 | (magnet or driv\$4 adj means) with (fix\$2 or attach\$4 or dispos\$4) with (lens adj barrel adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:42 |
| S160 | 0 | (first adj magnet or driv\$4 adj means) with (fix\$2 or attach\$4 or dispos\$4) with (lens adj barrel adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:42 |
| S161 | 0 | (first adj magnet\$4 or first adj driv\$4 adj means) with (fix\$2 or attach\$4 or dispos \$4) with (lens adj barrel adj holder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:42 |
| S162 | 197 | "348"/\$ and (first magnet \$4 or first adj driv\$3 adj means) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:43 |

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| S163 | 176 | "348"/\$ and (second adj magnet\$4 or second adj driv\$3 adj means) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:44 |
| S164 | 148 | S162 and S163 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:44 |
| S165 | 10 | ("4996545" "5266988" "5583597" "5721969" "5835799").PN. OR ("5995762").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 15:45 |
| S166 | 1 | ("2004/0207745").URPN. | USPAT | ADJ | ON | 2009/01/16 15:46 |
| S167 | 355 | (first magnet\$4 or first adj driv\$3 adj means) and lens adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:47 |
| S168 | 26603 | (second adj magnet\$4 or second adj driv\$3 adj means) and (fix\$3 adj body or case or hous\$3 or stationary adj body) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:48 |

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| S169 | 67 | S156 and S167 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:48 |
| S170 | 239 | S167 and S168 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:55 |
| S171 | 2 | (first magnet\$4 or first adj driv\$3 adj means) and lens adj barrel adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:55 |
| S172 | 22666 | "396"/\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:56 |
| S173 | 15 | S170 and S172 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:56 |

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| S174 | 1232 | lens adj drive adj mechanism | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:58 |
| S175 | 1 | (first magnet\$4 or first adj driv\$3 adj means) with lens adj barrel adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:58 |
| S176 | 125 | (first magnet\$4 or first adj driv\$3 adj means) with lens adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:58 |
| S177 | 2 | S174 and S176 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:59 |
| S178 | 6 | S167 and S174 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 15:59 |
| S179 | 3 | ("20040012695" "6348948" "6559888"). PN. OR ("6853808").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 16:00 |

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| S180 | 0 | lens adj barrel adj holder with (compris\$4 or includ \$4) with magnet\$4 adj means | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:03 |
| S181 | 3 | lens adj barrel adj holder with (compris\$4 or includ \$4) with magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:03 |
| S182 | 216307 | (fix\$3 adj body or case or hous\$3 or stationary adj body) with (magnet\$4 or driv\$3 adj means) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:11 |
| S183 | 235078 | (fix\$3 adj body or case or hous\$3 or stationary) with (magnet\$4 or driv\$3 adj means) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:12 |
| S184 | 216241 | (fix\$3 adj body or case or hous\$3) with (magnet\$4 or driv\$3 adj means) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:12 |

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| S185 | 68 | S174 and S184 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:12 |
| S186 | 924 | S172 and S184 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:13 |
| S187 | 89994 | (fix\$3 adj body or hous\$3) with (magnet\$4 or driv\$3 adj means) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:18 |
| S188 | 32 | S174 and S187 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:18 |
| S189 | 8 | ("4626077" "4634221" "4750821" "4793689" "4828360" "5138497" "5220461" "5499143"). PN. OR ("7145738").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 16:20 |

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| S190 | 97 | US-5678070-\$.DID. OR US- 5438387-\$.DID. OR US- 5301066-\$.DID. OR US- 5950021-\$.DID. OR US- 6009279-\$.DID. OR US- 4540264-\$.DID. OR US- 4764783-\$.DID. OR US- 4847648-\$.DID. OR US- 4848884-\$.DID. OR US- 4853731-\$.DID. OR US- 4864337-\$.DID. OR US- 5302991-\$.DID. OR US- 5345283-\$.DID. OR US- 5510868-\$.DID. OR US- 5537174-\$.DID. OR US- 5760555-\$.DID. OR US- 5900992-\$.DID. OR US- 6008954-\$.DID. OR US- 6160583-\$.DID. OR US- 4277130-\$.DID. OR US- 4334746-\$.DID. OR US- 4417281-\$.DID. OR US- 4422740-\$.DID. OR US- 4477167-\$.DID. OR US- 4483603-\$.DID. OR US- 4486074-\$.DID. OR US- 4542972-\$.DID. OR US- 4572645-\$.DID. OR US- 4764784-\$.DID. OR US- 4783676-\$.DID. OR US- 4796045-\$.DID. OR US- | US-PGPUB; USPAT; JPO; DERWENT | ADJ | ON | 2009/01/16 16:36 |
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| | | 4825240-\$.DID. OR US 4829328-\$.DID. OR US 4857947-\$.DID. OR US 4952965-\$.DID. OR US 5239415-\$.DID. OR US 5241422-\$.DID. OR US 5250976-\$.DID. OR US 5258797-\$.DID. OR US 5293193-\$.DID. OR US 5305049-\$.DID. OR US 5307103-\$.DID. OR US 5315340-\$.DID. OR US 5373336-\$.DID. OR US 5392160-\$.DID. OR US 5412443-\$.DID. OR US 5418650-\$.DID. OR US 5420721-\$.DID. OR US 5432575-\$.DID. | | | | |
| S191 | 3 | "20040207745" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:42 |
| S192 | 2 | ("5572372" "5828503"). PN. OR ("7440201").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 16:43 |
| S193 | 1452 | 359/900 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 16:52 |
| S194 | 4744 | camera adj module | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 16:53 |

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| S195 | 643 | adjust\$4 with camera adj module | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:53 |
| S196 | 2 | lens adj barrel with threadedly with (engag\$4 or attach\$4) with lens adj barrel adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:54 |
| S197 | 5 | lens adj barrel with threadedly with lens adj barrel adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 16:54 |
| S198 | 12 | (camera or optical) adj module with (first and second) adj magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 17:16 |
| S199 | 3 | ("20070133973" "5572372" "5587846"). PN. OR ("7446964").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 17:22 |
| S200 | 287 | (camera or optical) adj module with magnet\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 17:23 |

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| S201 | 644 | 359/824 and magnet | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 17:39 |
| S202 | 33 | S201 and focus adj adjust \$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 17:39 |
| S203 | 30 | ("5321678" "6483101"). PN. OR ("6560047").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 17:44 |
| S204 | 5 | ("20030043478" "20050036778" "20060164539" "5074682" "6560047"). PN. OR ("7367724").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 17:45 |
| S205 | 4 | ("20060028929" "20060176589" "20060214520" "7268959").PN. OR ("7477462").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 17:55 |
| S206 | 0 | yoneyama-hideekazu.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 17:56 |

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| S207 | 28 | yoneyama-hidekazu.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 17:56 |
| S208 | 112 | otsuki-noboru.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 17:59 |
| S209 | 29706 | lens adj barrel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:08 |
| S210 | 2093 | magnet\$4 adj2 (attach\$3 or dispos\$3 or fix\$2) adj (yoke or fixed adj body or housing) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:11 |
| S211 | 825 | magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (yoke or fixed adj body or housing) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:12 |

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|------|------|--|---|-----|----|---------------------|
| S212 | 5019 | magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) with (yoke or fixed adj body or housing) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:12 |
| S213 | 5 | S209 and S211 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:12 |
| S214 | 464 | magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (fixed adj body or housing) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:16 |
| S215 | 0 | S209 and S214 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:16 |
| S216 | 2 | 359/824 and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (fixed adj body or housing)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:17 |

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| S217 | 5 | "359"/\$ and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (fixed adj body or housing)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:21 |
| S218 | 3 | "396"/\$ and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (fixed adj body or housing)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:22 |
| S219 | 3 | "396"/\$ and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (case adj body or housing)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:22 |
| S220 | 1 | "348"/\$ and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (case adj body or housing)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:23 |
| S221 | 2535 | lens adj module | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:23 |

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| S222 | 11 | S221 and first adj magnet and second adj magnet | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:24 |
| S223 | 8 | ("4519691" "4684233" "4992684" "5121016" "5229669" "5471100" "5706272" "5939804"). PN. OR ("7405892").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 18:25 |
| S224 | 14 | ("4808955" "4831290" "5182481").PN. OR ("5471100").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 18:29 |
| S225 | 15 | ("3723779" "4245917" "4439700" "4560263" "4589753" "4692999" "4705311" "4785210" "4828360").PN. OR ("5182481").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 18:32 |
| S226 | 11622 | (second adj magnet\$4 or second adj driv\$3 adj means) and (fix\$3 adj body or case adj body or hous\$3 or stationary adj body) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:54 |

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|------|------|--|---|-----|----|---------------------|
| S227 | 2160 | (second adj magnet\$4 or second adj driv\$3 adj means) with (fix\$3 adj body or case adj body or hous\$3 or stationary adj body) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:54 |
| S228 | 125 | (first magnet\$4 or first adj driv\$3 adj means) with lens adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:55 |
| S229 | 6 | S227 and S228 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:56 |
| S230 | 38 | method with manufactur\$4 with lens adj drive adj (device or mechanism) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 18:59 |
| S231 | 1 | (first magnet\$4 or first adj driv\$3 adj means) near lens adj holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 19:04 |

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| S232 | 2 | (first magnet\$4 or first adj driv\$3 adj means) near lens adj3 holder | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 19:04 |
| S233 | 379 | 396/133 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/16 19:05 |
| S234 | 29 | ("3696725" "3951522" "4030113" "4404595" "4411498" "4585313" "4748466" "4825240" "4834514" "5032919" "5225939" "5400073" "5461443" "5731913" "5739853" "5748386" "5790319" "5805353" "5825559" "5861998" "5889555" "5969889" "5983033" "6031997" "6075655" "6266486" "6366323" "6421088" "6590720").PN. OR ("6784937").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 19:42 |

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| S235 | 17 | ("4676605" "5289318" "5373496" "5442490" "5471100" "5488603" "5587846" "5638222" "5705864" "5739608" "5900995" "6031651" "6414777").PN. OR ("6856469").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 19:50 |
| S236 | 7 | ("20030007799" "4743931" "4763150" "4828360" "4963000"). PN. OR ("7039309").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 19:54 |
| S237 | 11 | ("20020047313" "20040164623" "20040164624" "5418588" "6017155" "6560411" "6798093" "6800970" "6809884" "6850701" "7039309"). PN. OR ("7154199").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 19:55 |
| S238 | 3 | ("20030178911" "4605286" "6650832"). PN. OR ("7146097").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/16 20:00 |
| S239 | 7 | ("20030007799" "4743931" "4763150" "4828360" "4963000"). PN. OR ("7039309").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/17 12:49 |

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| S240 | 11 | ("20020047313" "20040164623" "20040164624" "5418588" "6017155" "6560411" "6798093" "6800970" "6809884" "6850701" "7039309"). PN. OR ("7154199").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/17 12:51 |
| S241 | 8 | ("5400070" "5561460" "5933187" "6134057" "6236431" "6611079" "6804068" "6836057"). PN. OR ("7268816").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/01/17 13:16 |
| S242 | 266300 | electromagnetic adj (motor or actuator) or (VCM or voice adj coil adj motor) or (stator or magnetic adj rotor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:17 |
| S243 | 821996 | camera | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:18 |
| S244 | 6251 | S242 and S243 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:18 |

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| S245 | 635 | movable adj lens adj (body or mount or tube or barrel) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:19 |
| S246 | 68724 | fixed adj (case or housing or tube or mount or enclosure) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:20 |
| S247 | 15 | S245 and S246 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:20 |
| S248 | 13 | S244 and S245 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:20 |
| S249 | 205 | S244 and S246 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:21 |

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| S250 | 49773 | (attach\$4 or fix\$3 or coupl \$3) adj magnet\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:22 |
| S251 | 8 | S245 and S250 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:22 |
| S252 | 848 | S246 and S250 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:22 |
| S253 | 848 | S252 and S252 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:22 |
| S254 | 0 | S251 and S252 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 13:22 |

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| S255 | 13 | "5572372" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 14:11 |
| S256 | 4 | "7196855" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 15:26 |
| S257 | 6 | "7031603" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 15:36 |
| S258 | 171563 | "6" and stopper | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 15:39 |
| S259 | 3 | S257 and stopper | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/01/17 15:39 |

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| S260 | 2 | "20070116445" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 10:31 |
| S261 | 6402 | driv\$4 adj magnet | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 10:57 |
| S262 | 22170 | driv\$4 adj coil | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 10:58 |
| S263 | 1 | S261 with (maintain\$5 or keep\$4 or preserv\$8 or sustain\$5) with position\$4 adj relation\$9 with S262 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 11:01 |
| S264 | 0 | S261 with (keep\$4 or preserv\$8 or sustain\$5) with position\$4 adj relation \$9 with S262 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 11:01 |

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| S265 | 98 | US-6031345-\$.DID. OR US-6222684-\$.DID. OR US-5455650-\$.DID. OR US-5678070-\$.DID. OR US-4789225-\$.DID. OR US-4935764-\$.DID. OR US-5177638-\$.DID. OR US-5301066-\$.DID. OR US-5430519-\$.DID. OR US-5950021-\$.DID. OR US-6009279-\$.DID. OR US-6137958-\$.DID. OR US-4367939-\$.DID. OR US-4400075-\$.DID. OR US-4443085-\$.DID. OR US-4458992-\$.DID. OR US-4534624-\$.DID. OR US-4764783-\$.DID. OR US-4805991-\$.DID. OR US-4842392-\$.DID. OR US-4847648-\$.DID. OR US-4853731-\$.DID. OR US-4855782-\$.DID. OR US-4864337-\$.DID. OR US-4925282-\$.DID. OR US-4934797-\$.DID. OR US-4945372-\$.DID. OR US-5302991-\$.DID. OR US-5331467-\$.DID. OR US-5351264-\$.DID. OR US-5376983-\$.DID. OR US- | US-PGPUB; USPAT; JPO; DERWENT | ADJ | ON | 2009/06/18 11:03 |
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| | | 5426478-\$.DID. OR US- 5457511-\$.DID. OR US- 5510868-\$.DID. OR US- 5606384-\$.DID. OR US- 5614972-\$.DID. OR US- 5658700-\$.DID. OR US- 5659808-\$.DID. OR US- 5677791-\$.DID. OR US- 5677789-\$.DID. OR US- 5687399-\$.DID. OR US- 5760555-\$.DID. OR US- 5875359-\$.DID. OR US- 5883738-\$.DID. OR US- 5966249-\$.DID. OR US- 5983031-\$.DID. OR US- 6008954-\$.DID. OR US- 6154613-\$.DID. OR US- 6208472-\$.DID. | | | | |
| S266 | 1090 | S261 and S262 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 11:12 |
| S267 | 435 | (396/133).CCL.S. | US-PGPUB; USPAT | OR | OFF | 2009/06/18 11:12 |
| S268 | 851 | (359/811).CCL.S. | US-PGPUB; USPAT | OR | OFF | 2009/06/18 11:12 |
| S269 | 77546 | ("310").CLAS. | US-PGPUB; USPAT | OR | OFF | 2009/06/18 11:12 |

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| S270 | 132316 | ("348").CLAS. | US-PGPUB; USPAT | OR | OFF | 2009/06/18 11:12 |
| S271 | 66825 | h04n5/225 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 11:13 |
| S272 | 195 | S266 and (S267 or S268 or S269 or S270 or S271) | US-PGPUB; USPAT | ADJ | ON | 2009/06/18 11:13 |
| S273 | 120796 | position\$4 adj relation\$7 | US-PGPUB; USPAT | ADJ | ON | 2009/06/18 11:14 |
| S274 | 40 | S272 and S273 | US-PGPUB; USPAT | ADJ | ON | 2009/06/18 11:14 |
| S275 | 100192 | ("359").CLAS. | US-PGPUB; USPAT | OR | OFF | 2009/06/18 11:15 |
| S276 | 106 | S266 and S275 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 11:15 |
| S277 | 5 | ("20040012695" "6348948" "6559888"). PN. OR ("6853808").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/18 11:27 |
| S278 | 3 | ("5572372" "5828503"). PN. OR ("7440201").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/18 11:35 |

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| S279 | 2 | "11072693" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 14:50 |
| S280 | 5 | "7196855" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 14:53 |
| S281 | 14 | ("20020012176" "20050068456" "20050264670" "3912379" "4620775" "5251063" "6476982" "6728047" "6813099" "6970306" "6977779"). PN. OR ("7196855").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/18 14:57 |
| S282 | 23505 | solid adj1 state adj imag\$4 adj (device or module) or camera adj module or lens adj module or (CCD or CMOS) adj module | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:09 |
| S283 | 12299 | female adj (thread or helicoid) and male adj (thread or helicoid) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:09 |

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| S284 | 42 | S282 and S283 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:09 |
| S285 | 18021 | focus adj adjust\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:10 |
| S286 | 614 | S282 and S285 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:10 |
| S287 | 9 | S283 and S286 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:10 |
| S288 | 104 | manget and coil | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:21 |

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| S289 | 186634 | magnet and coil | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:22 |
| S290 | 533 | S282 and S289 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:22 |
| S291 | 62 | S285 and S290 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:22 |
| S292 | 4 | ("20060028929" "20060176589" "20060214520" "7268959").PN. OR ("7477462").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/18 15:23 |
| S293 | 8 | ("4519691" "4684233" "4992684" "5121016" "5229669" "5471100" "5706272" "5939804"). PN. OR ("7405892").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/18 15:24 |

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| S294 | 38 | thrust\$4 adj forc\$4 adj balance | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:34 |
| S295 | 68 | macro-photograph\$4 and normal adj photograph\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:40 |
| S296 | 250 | (macro-photograph\$5 or close adj1 up adj photograph\$5) and normal adj photograph\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:40 |
| S297 | 38 | S285 and S296 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:53 |
| S298 | 7 | S283 and S296 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 15:58 |

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| S299 | 2 | "6784937" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 18:03 |
| S300 | 29 | ("3696725" "3951522" "4030113" "4404595" "4411498" "4585313" "4748466" "4825240" "4834514" "5032919" "5225939" "5400073" "5461443" "5731913" "5739853" "5748386" "5790319" "5805353" "5825559" "5861998" "5889555" "5969889" "5983033" "6031997" "6075655" "6266486" "6366323" "6421088" "6590720").PN. OR ("6784937").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/18 18:03 |
| S301 | 6 | "7039309" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/18 18:07 |

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| S302 | 14 | ("20020012176" "20050068456" "20050264670" "3912379" "4620775" "5251063" "6476982" "6728047" "6813099" "6970306" "6977779"). PN. OR ("7196855").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/07/07 10:03 |
| S303 | 4296 | lens with lens adj barrel with (lens adj barrel adj holder or frame) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:14 |
| S304 | 390 | (lens adj barrel adj holder or frame) with mov\$8 with support with lens adj barrel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:15 |
| S305 | 4262 | (lens adj barrel adj holder or frame) with first adj (magnet\$4 adj means or driv\$4 or magnet) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:16 |
| S306 | 2722176 | cylindrical or circular | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:17 |

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| S307 | 1594 | S305 and S306 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:17 |
| S308 | 237 | S304 and S306 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:17 |
| S309 | 1642 | S303 and S306 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:17 |
| S310 | 3123 | (female or helicoid) adj (thread or screw) with (inner or inside) adj peripher\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:18 |
| S311 | 9 | S307 and S310 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:18 |

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| S312 | 110 | S308 and S310 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:18 |
| S313 | 190 | S309 and S310 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:19 |
| S314 | 3859 | (male or helicoid) adj (thread or screw) with (outer or external) adj peripher\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:19 |
| S315 | 30977 | lens adj barrel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:20 |
| S316 | 390 | S314 and S315 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:20 |

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| S317 | 229 | S303 and S316 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:20 |
| S318 | 332 | lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder or frame) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:21 |
| S319 | 18107 | focus adj adjust\$8 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:21 |
| S320 | 43 | S318 and S319 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:21 |
| S321 | 1724 | S310 and S314 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:22 |

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| S322 | 73 | S319 and S321 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:22 |
| S323 | 402 | (359/696).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/07/07 11:33 |
| S324 | 436 | (396/133).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/07/07 11:34 |
| S325 | 1091 | driv\$4 adj magnet and driv \$4 adj coil | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:52 |
| S326 | 10 | S325 and (S323 or S324) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 11:52 |
| S327 | 7 | ("20010015860" "20050111113" "20060181632" "20060181748" "3687047" "4601539" "5289318").PN. OR ("7486882").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/07/07 11:53 |

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| S328 | 6 | lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder or frame) with (screw or thread\$4 or helicoid\$4) adj (mechanism or engagement) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 14:07 |
| S329 | 0 | lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder) with (screw or thread\$4 or helicoid\$4) adj (mechanism or engagement) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 14:10 |
| S330 | 3 | lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder) with (screw or thread\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 14:10 |
| S331 | 332 | lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder or frame) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 14:12 |
| S332 | 402 | (359/696).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/07/07 14:12 |
| S333 | 436 | (396/133).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/07/07 14:12 |

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| S334 | 242 | S331 and (S332 or S333 or "348"/\$ or "359"/\$ or "396"/\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 14:12 |
| S335 | 2 | "2004304566" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:43 |
| S336 | 242 | first adj case adj body and second adj case body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:47 |
| S337 | 12978 | (camera or lens) adj module | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:47 |
| S338 | 0 | S336 and S337 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:47 |

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| S339 | 6698 | lens adj driv\$4 adj (device or mechanism) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:48 |
| S340 | 0 | S336 and S339 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:48 |
| S341 | 101645 | first adj (case or member or body) and second adj (case or body or member) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:49 |
| S342 | 86 | S339 and S341 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:49 |
| S343 | 445 | S337 and S341 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:49 |

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|------|------|-------------------------------|---|-----|----|---------------------|
| S344 | 113 | first adj abutting adj member | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:49 |
| S345 | 120 | second adj abutting member | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:50 |
| S346 | 94 | S344 and S345 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 16:50 |
| S347 | 3964 | abutting adj member | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:16 |
| S348 | 143 | S341 and S347 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:16 |

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|------|--------|--|---|-----|-----|---------------------|
| S349 | 131373 | first adj (case or member or body) and second adj (case or body or member) or (first adj frame and second adj frame) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:25 |
| S350 | 133 | S339 and S349 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:26 |
| S351 | 535 | S337 and S349 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:33 |
| S352 | 0 | S347 and S351 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:34 |
| S353 | 42994 | ("396").CLAS. | US-PGPUB; USPAT | OR | OFF | 2009/07/07 17:34 |
| S354 | 114344 | ("455").CLAS. | US-PGPUB; USPAT | OR | OFF | 2009/07/07 17:34 |
| S355 | 132820 | ("348").CLAS. | US-PGPUB; USPAT | OR | OFF | 2009/07/07 17:34 |
| S356 | 100573 | ("359").CLAS. | US-PGPUB; USPAT | OR | OFF | 2009/07/07 17:34 |

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| S357 | 314 | S351 and (S353 or S354 or S355 or S356) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:35 |
| S358 | 13964 | (camera or lens or image adj sensor) adj module | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:46 |
| S359 | 540 | S358 and S349 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:47 |
| S360 | 316 | S359 and (S353 or S354 or S355 or S356) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:47 |
| S361 | 230 | S359 and (S353 or S355 or S356) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/07 17:47 |

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